



6.1 Clinical Trials Experience

Adverse Reactions

Headache

ushing

)yspepsia

Back pain

Myalgia

lausea

izziness

Adverse Reaction

Headache

Flushing

Dyspepsia

Back pain

Dizziness

Nasal Congestion

bnormal Visio

bnormal vision

lasal congestion

Because clinical trials are conducted under widely varying conditions, adverse reaction rates

observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

Sildenafil tablets were administered to over 3700 patients (aged 19 to 87 years) during pre-marketing clinical trials worldwide. Over 550 patients were treated for longer than one year.

In placebo-controlled clinical studies, the discontinuation rate due to adverse reactions for sildenafil tablets (2.5%) was not significantly different from placebo (2.3%).

In fixed-dose studies, the incidence of some adverse reactions increased with dose. The type of adverse reactions in flexible-dose studies, which reflect the recommended dosage regimen, was similar to that for fixed-dose studies. At doses above the recommended dose range, adverse reactions were similar to those detailed in Table 1 below but generally were reported more frequently.

Table 1: Adverse Reactions Reported by $\ge 2\%$ of Patients with Sildenafi Tablets and More Frequently than Placebo in Fixed-Dose Phase II/III Studies

21%

19%

9%

2%

4%

4%

2%

3%

 † Abnormal Vision: Mild to moderate in severity and transient, predominantly color tinge to vision, but also increased sensitivity to light, or blurred vision.

When sildenafil tablets were taken as recommended (on an as-needed basis) in flexible-dose, placebo-controlled clinical trials of two to twenty-six weeks duration, patients took sildenafil tablets at least once weekly, and the following adverse reactions were reported:

Table 2. Adverse Reactions Reported by ${\ge}2\%$ of Patients Treated with Sildenafil Tablets and More Frequent than Placebo in Flexible-Dose Phase II/III Studies

[†] Abnormal Vision: Mild and transient, predominantly color tinge to vision, but also increased sensitivity to light or blurred vision. In these studies, only one patient discontinued due to

The following events occurred in <2% of patients in controlled clinical trials; a causal relationship to sildenafil tablets is uncertain. Reported events include those with a plausible relation to drug use; omitted are minor events and reports too imprecise to be meaningful:

Body as a Whole: face edema, photosensitivity reaction, shock, asthenia, pain, chills, accidental fall, abdominal pain, allergic reaction, chest pain, accidental injury.

Cardiovascular: angina pectoris, AV block, migraine, syncope, tachycardia, palpitation, hypotension, postural hypotension, myocardial ischemia, cerebral thrombosis, cardiac arrest, heart failure, abnormal electrocardiogram, cardiomyopathy.

Digestive: vomiting, glossitis, colitis, dysphagia, gastritis, gastroenteritis, esophagitis, stomatitis, dry mouth, liver function tests abnormal, rectal hemorrhage, gingivitis.

Metabolic and Nutritional: thirst, edema, gout, unstable diabetes, hyperglycemia, peripheral edema, hyperuricemia, hypoglycemic reaction, hypernatremia.

Musculoskeletal: arthritis, arthrosis, myalgia, tendon rupture, tenosynovitis, bone pain, myasthenia,

Nervous: ataxia, hypertonia, neuralgia, neuropathy, paresthesia, tremor, vertigo, depression, insomnia, somnolence, abnormal dreams, reflexes decreased, hypesthesia.

Skin and Appendages: urticaria, herpes simplex, pruritus, sweating, skin ulcer, contact dermatitis,

Special Senses: sudden decrease or loss of hearing, mydriasis, conjunctivitis, photophobia, tinnitus, eye pain, ear pain, eye hemorrhage, cataract, dry eyes.

Urogenital: cystitis, nocturia, urinary frequency, breast enlargement, urinary incontinence, abnormal ejaculation, genital edema and anorgasmia.

Analysis of the safety database from controlled clinical trials showed no apparent difference in

adverse reactions in patients taking sildenafil tablets with and without anti-hypertensive medication. This analysis was performed retrospectively, and was not powered to detect any pre-specified

The following adverse reactions have been identified during post approval use of sildenafil tablets. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure. These events have been chosen for inclusion either due to their seriousness, reporting frequency, lack of clear alternative causation, or a combination of these factors.

Cardiovascular and cerebrovascular, and vascular events, including myocardial infarction, sudden cardiac death, ventricular arrhythmia, cerebrovascular hemorrhage, transient ischemic attack, hypertension, subarachnoid and intracerebral hemorrhages, and pulmonary hemorrhage have been reported post-marketing in temporal association with the use of sildenafil tablets. Most, but not all, of these patients had preexisting cardiovascular risk factors. Many of these events were reported to occur during or shortly after sexual activity, and a few were reported to occur shortly after the use of sildenafil tablets without sexual activity. Others were reported to have occurred hours to days after the use of sildenafil tablets and sexual activity. [see Warnings and Precautions (5.1) and Patient Counseling Information (17)].

Hemic and Lymphatic: vaso-occlusive crisis: In a small, prematurely terminated study of REVATIO

received sildenafil than in those randomized to placebo. The clinical relevance of this finding to men treated with sildenafil tablets for ED is not known.

Apecial senses:

Hearing: Cases of sudden decrease or loss of hearing have been reported postmarketing in temporal association with the use of PDE5 inhibitors, including sildenafil tablets. In some of the cases, medical conditions and other factors were reported that may have also played a role in the otologic adverse events. In many cases, medical follow-up information was limited. It is not possible to determine whether these reported events are related directly to the use of sildenafil tablets, to the patient's underlying risk factors for hearing loss, a combination of these factors, or to other factors [see Warnings and Precautions (5.4) and Patient Counseling Information (17)].

Ocular. diplopia, temporary vision loss/decreased vision, ocular redness or bloodshot appearance ocular burning, ocular swelling/pressure, increased intraocular pressure, retinal edema, retinal vascular disease or bleeding, and vitreous traction/detachment.

Non-arteritic anterior ischemic optic neuropathy (NAION), a cause of decreased vision including

Non-arteritic anterior ischemic optic neuropathy (NAION), a cause of decreased vision including permanent loss of vision, has been reported rarely post-marketing in temporal association with the use of phosphodiesterase type 5 (PDE5) inhibitors, including sildenafil tablets. Most, but not all, of these patients had underlying anatomic or vascular risk factors for developing NAION, including but not necessarily limited to: low cup to disc ratio ("crowded disc"), age over 50, diabetes, hypertension, coronary artery disease, hyperlipidemia and smoking. It is not possible to determine whether these events are related directly to the use of PDE5 inhibitors, to the patient's underlying vascular risk factors or anatomical defects, to a combination of these factors, or to other factors [see Warnings and Precautions (5.3) and Patient Counseling Information (17)].

Urogenital: prolonged erection, priapism [see Warnings and Precautions (5.2) and Patient Counseling Information (17)], and hematuria.

Administration of sildenafil tablets with nitric oxide donors such as organic nitrates or organic nitrites in any form is contraindicated. Consistent with its known effects on the nitric oxide/GSMP pathway, sildenafil tablets were shown to potentiate the hypotensive effects of nitrates [see Dosage and Administration (2.3), Contraindications (4.1), Clinical Pharmacology (12.2)].

Use caution when co-administering alpha-blockers with sildenafil tablets because of potential additive blood pressure-lowering effects. When sildenafil tablets are co-administered with an alpha-blocker, patients should be stable on alpha-blocker therapy prior to initiating sildenafil tablets treatment and sildenafil tablets should be initiated at the lowest dose [see Dosage and Administration of the control of the control

When sildenafil tablets 100 mg were co-administered with amlodipine (5 mg or 10 mg) to hypertensive patients, the mean additional reduction on supine blood pressure was 8 mmHg systolic and 7 mmHg diastolic [see Warnings and Precautions (5.5), Clinical Pharmacology (12.2)].

Co-administration of ritonavir, a strong CYP3A4 inhibitor, greatly increased the systemic exposure of sildenafil (11-fold increase in AUC). It is therefore recommended not to exceed a maximum single dose of 25 mg of sildenafil tablets in a 48 hour period [see Dosage and Administration (2.4), Warnings and Precautions (5.6), Clinical Pharmacology (12.3)].

Co-administration of erythromycin, a moderate CYP3A4 inhibitor, resulted in a 160% and 182% increases in sildenafil C_{max} and AUC, respectively. Co-administration of saquinavir, a strong CYP3A4 inhibitor, resulted in 140% and 210% increases in sildenafil C_{max} and AUC, respectively. Stronger CYP3A4 inhibitors such as ketoconazole or itraconazole could be expected to have greater effects than seen with saquinavir. A starting dose of 25 mg of sildenafil tablets should be considered in patients taking erythromycin or strong CYP3A4 inhibitors (such as saquinavir, ketoconazole, itracanozole) [see Dosage and Administration (2.4), Clinical Pharmacology (12.3)].

In a drug-drug interaction study sildenafil 50 mg given with alcohol 0.5 g/kg in which mean maximum blood alcohol levels of 0.08% was achieved, sildenafil did not potentiate the hypotensive effect of alcohol in healthy volunteers [see Clinical Pharmacology (12.2)].

There are no data with the use of sildenafil tablets in pregnant women to inform any drug-associated risks for adverse developmental outcomes. Animal reproduction studies conducted with sildenafil

did not show adverse developmental outcomes when administered during organogenesis in rats and rabbits at oral doses up to 16 and 32 times, respectively, the maximum recommended human

No evidence of teratogenicity, embryotoxicity or fetotoxicity was observed in rats and rabbits which

received up to 200 mg/kg/day during organogenesis. These doses represent, respectively, about 16 and 32 times the MRHD on a mg/m² basis in a 50 kg subject. In the rat pre- and postnatal development study, the no observed adverse effect dose was 30 mg/kg/day given for 36 days, about 2 times the MRHD on a mg/m² basis in a 50 kg subject.

Limited data indicate that sildenafil and its active metabolite are present in human milk. There is no information on the effects on the breastfed child, or the effects on milk production.

(2.3), Warnings and Precautions (5.5), Clinical Pharmacology (12.2)].

7.4 Ritonavir and other CYP3A4 inhibitors

USE IN SPECIFIC POPULATIONS

Sildenafil tablets is not indicated for use in females.

Sildenafil tablets is not indicated for use in females.

dose (MRHD) of 100 mg/day on a mg/m² basis (see Data).

8.1 Pregnancy: Teratogenic Effects

vaso-occlusive crises requiring hospitalization were more con

Nervous: seizure, seizure recurrence, anxiety, and transient global amnesia.

Respiratory: asthma, dyspnea, laryngitis, pharyngitis, sinusitis, bronchitis, sputum increased,

SILDENAFIL TABLETS

N=734

16%

10%

2%

Hemic and Lymphatic: anemia and leukopenia.

difference in adverse reactions.

6.2 Postmarketing Experience

Cardiovascular and cerebrovascular

Special senses:

DRUG INTERACTIONS

7.1 Nitrates

7.5 Alcohol

Risk Summary

Animal Data

8.2 Lactation

Risk Summary

16%

10%

3%

1%

4%

3%

2%

2%

100 mg (n=506)

28%

18%

17%

11%

9%

4%

4%

3%

PLACEBO

N=725

4%

1%

2%

2%

7%

2%

2%

1%

2%

2%

1%

1%

8.4 Pediatric Use

8.5 Geriatric Use

been established in pediatric patients.

Dosage and Administration (2.5)].

8.6 Renal Impairment

8.7 Hepatic Impairment

(12.3)].

10 OVERDOSAGE

11 DESCRIPTION

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Binding Characteristics

12.2 Pharmacodynamics

and 57%, respectively [see Clinical Pharmacology (12.3)].

Sildenafil tablets are not indicated for use in pediatric patients. Safety and effectiveness have not

Healthy elderly volunteers (65 years or over) had a reduced clearance of sildenafil resulting in approximately 84% and 107% higher plasma AUC values of sildenafil and its active N-desmethyl metabolite, respectively, compared to those seen in healthy young volunteers (18 to 45 years) [see Clinical Pharmacology (12.3)]. Due to age-differences in plasma protein binding, the corresponding processe in the AUC of the (unbound) sildensifie and its active N-desmethylic responding

increase in the AUC of free (unbound) sildenafil and its active N-desmethyl metabolite were 45%

Of the total number of subjects in clinical studies of sildenafil tablets, 18% were 65 years and older while 2% were 75 years and older. No overall differences in safety or efficacy were observed between older (≥ 65 years of age) and younger (< 65 years of age) subjects.

However, since higher plasma levels may increase the incidence of adverse reactions, a starting dose of 25 mg should be considered in older subjects due to the higher systemic exposure [see

No dose adjustment is required for mild (CLcr=50 to 80 mL/min) and moderate (CLcr=30 to 49 mL/min) renal impairment. In volunteers with severe renal impairment (Clcr<30 mL/min), sildenafil clearance was reduced, resulting in higher plasma exposure of sildenafil (-2 fold), approximately doubling of C_{max} and AUC. A starting dose of 25 mg should be considered in patients with severe renal impairment [see Dosage and Administration (2.5) and Clinical Pharmacology (12.3)].

In volunteers with hepatic impairment (Child-Pugh Class A and B), sildenafil clearance was reduced, resulting in higher plasma exposure of sildenafil (47% for $C_{\rm max}$ and 85% for AUC). The pharmacokinetics of sildenafil in patients with severely impaired hepatic function (Child-Pugh Class C) have not been studied. A starting dose of 25 mg should be considered in patients with any degree of hepatic impairment [see Dosage and Administration (2.5) and Clinical Pharmacology (43.3)]

In studies with healthy volunteers of single doses up to 800 mg, adverse reactions were similar

In cases of overdose, standard supportive measures should be adopted as required. Renal dialysis is not expected to accelerate clearance as sildenafil is highly bound to plasma proteins and it is not eliminated in the urine.

Sildenafil Tablet, USP an oral therapy for erectile dysfunction, is the citrate salt of sildenafil, a

selective inhibitor of cyclic guanosine monophosphate (cGMP)-specific phosphodiesterase type

 $Silden a fil \ citrate, \ USP \ is \ designated \ chemically \ as \ 1-[[3-(6,7-dihydro-1-methyl-7-oxo-3-propyl-1-methyl-7-ox$

Sildenafil citrate, USP is a white to off-white crystalline powder with a solubility of 3.5 mg/mL in water and a molecular weight of 666.7.

Sildenafil tablet, USP is formulated as white, film-coated round-shaped tablets equivalent to 25

mg, 50 mg and 100 mg of sildenafil for oral administration. In addition to the active ingredient, sildenafil, USP each tablet contains the following inactive ingredients: croscarmellose sodium, dibasic calcium phosphate anhydrous, hypromellose, lactose monohydrate, magnesium stearate, microcrystalline cellulose, titanium dioxide and triacetin.

The physiologic mechanism of erection of the penis involves release of nitric oxide (NO) in the corpus cavernosum during sexual stimulation. NO then activates the enzyme guanylate cyclase, which results in increased levels of cyclic guanosine monophosphate (cGMP), producing smooth

Sildenafil enhances the effect of NO by inhibiting phosphodiesterase type 5 (PDE5), which is responsible for degradation of GGMP in the corpus cavernosum. Sildenafil has no direct relaxant effect on isolated human corpus cavernosum. When sexual stimulation causes local release of NO, inhibition of PDE5 by sildenafil causes increased levels of cGMP in the corpus cavernosum, resulting

in smooth muscle relaxation and inflow of blood to the corpus cavernosum. Sildenafil at recommender

Studies *in vitro* have shown that sildenafil is selective for PDE5. Its effect is more potent on PDE5 than on other known phosphodiesterases (10-fold for PDE6, >80-fold for PDE1, >700-fold for PDE2, PDE3, PDE4, PDE7, PDE8, PDE9, PDE10, and PDE11). Sildenafil is approximately 4,000-

fold more selective for PDE5 compared to PDE3. PDE3 is involved in control of cardiac contractility

Sildenafil is only about 10-fold as potent for PDE5 compared to PDE6, an enzyme found in the retina which is involved in the phototransduction pathway of the retina. This lower selectivity is thought to be the basis for abnormalities related to color vision [see Clinical Pharmacology (12.2)].

In addition to human corpus cavernosum smooth muscle, PDE5 is also found in other tissues

including platelets, vascular and visceral smooth muscle, and skeletal muscle, brain, heart, liver, kidney, lung, pancreas, prostate, bladder, testis, and seminal vesicle. The inhibition of PDE5 in

some of these tissues by sildenafil may be the basis for the enhanced platelet antiaggregatory

activity of NO observed in vitro, an inhibition of platelet thrombus formation in vivo and peripheral

Effects of Sildenafil Tablets on Erectile Response: In eight double-blind, placebo-controlled

crossover studies of patients with either organic or psychogenic erectile dysfunction, sexual

stimulation resulted in improved erections, as assessed by an objective measurement of hardness

and duration of erections (RigiScan®), after sildenafil tablets administration compared with placebo

Most studies assessed the efficacy of sildenaffi tablets approximately 60 minutes post dose. The erectile response, as assessed by RigiScan® generally increased with increasing sildenaffi dose and plasma concentration. The time course of effect was examined in one study, showing an effect for up to 4 hours but the response was diminished compared to 2 hours.

Effects of Sildenafil Tablets on Blood Pressure: Single oral doses of sildenafil (100 mg) administered

to healthy volunteers produced decreases in sitting blood pressure (mean maximum decrease in

systolic/diastolic blood pressure of 8.3/5.3 mmHg). The decrease in sitting blood pressure was most notable approximately 1 to 2 hours after dosing, and was not different than placebo at 8 hours. Similar effects on blood pressure were noted with 25 mg, 50 mg and 100 mg of sildential tablets, therefore the effects are not related to dose or plasma levels within this dosage range.

Larger effects were recorded among patients receiving concomitant nitrates [see Contraindication.

Figure 1: Mean Change from Baseline in Sitting

Systolic Blood Pressure, Healthy Volunteers, Effects of Sildenafil Tablets on Blood Pressure When Nitroglycerin is Subsequently Administered

Based on the pharmacokinetic profile of a single 100 mg oral dose given to healthy normal volunteers, the plasma levels of sildenafil at 24 hours post dose are approximately 2 ng/mL (compared to peak plasma levels of approximately 440 ng/mL). In the following patients: age >65 years, hepatic

impairment (e.g., cirrhosis), severe renal impairment (e.g., creatinine clearance <30 mL/min), and imparment (e.g., crimosis), severe renal impairment (e.g., creatinine clearance <30 mL/min), and concomitant use of erythromycin or strong CYP3A4 inhibitors, plasma levels of sildenafil at 24 hours post dose have been found to be 3 to 8 times higher than those seen in healthy volunteers. Although plasma levels of sildenafil at 24 hours post dose are much lower than at peak concentration, it is unknown whether nitrates can be safely co-administered at this time point [see Contraindications (4.1)].

Effects of Sildenafil Tablets on Blood Pressure When Co-administered with Alpha-Blockers:

to assess the interaction of sildenafil tablets with doxazosin, an alpha-adrenergic blocking agent

In the first study, a single oral dose of sildenafil tablets 100 mg or matching placebo was administered in a 2-period crossover design to 4 generally healthy males with benign prostatic hyperplasia (BPH). Following at least 14 consecutive daily doses of doxazosin, sildenafil tablets 100 mg or matching

placebo was administered simultaneously with doxazosin. Following a review of the data from these first 4 subjects (details provided below), the sildenafii tablets dose was reduced to 25 mg. Thereafter, 17 subjects were treated with sildenafil tablets 25 mg or matching placebo in combination with doxazosin 4 mg (15 subjects) or doxazosin 8 mg (2 subjects). The mean subject age was 66.5

For the 17 subjects who received sildenafil tablets 25 mg and matching placebo, the placebo-subtracted mean maximum decreases from baseline (95% CI) in systolic blood pressure were as

The mean profiles of the change from baseline in standing systolic blood pressure in subjects treated with doxazosin in combination with 25 mg sildenafil tablets or matching placebo are shown

Sildenafil tablets 25 mg

7.4 (-0.9, 15.7)

6 (-0.8,12.8)

Study 1: Sildenafil tablets with Doxazosin

in systolic blood pressure (mm Hg)

follows:

Supine

Standing

in Figure 2.

muscle relaxation in the corpus cavernosum and allowing inflow of blood.

doses has no effect in the absence of sexual stimulation

CH2CH2CH3

HOOC

− CO₂H

-OH

https://doi.org/10.1016/10.101

to those seen at lower doses but incidence rates and severities were increased

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use SILDENAFIL TABLETS safely and effectively. See full prescribing information for SILDENAFIL TABLETS. SILDENAFIL tablets, for oral use Initial U.S. Approval: 1998

--RECENT MAJOR CHANGES--Warnings and Precautions, Effects on the Eye (5.3) ----INDICATIONS AND USAGE ---Sildenafil tablet is a phosphodiesterase-5 (PDE5) inhibitor indicated for the treatment of erectile dysfunction (ED) (1)

---DOSAGE AND ADMINISTRATION--For most patients, the recommended dose is 50 mg taken, as needed, approximately 1 hour before sexual activity. However, sildenafil tablets may be taken anywhere from 30 minutes to 4 hours before sexual activity (2.1)

Based on effectiveness and toleration, may increase to a maximum of 100 mg or decrease to 25 mg (2.1)

Maximum recommended dosing frequency is once per day (2.1)
 DOSAGE FORMS AND STRENGTHS-----

Tablets: 25 mg, 50 mg, 100 mg (3) -----CONTRAINDICATIONS ----

Administration of sildenafil tablets to patients using nitric oxide donors, such as organic nitrates or organic nitrites in any form. Sildenafil tablets were shown to potentiate the hypotensive effect of nitrates (4.1, 7.1, 12.2)

Known hypersensitivity to sildenafil or any component of tablet (4.2) Administration with guanylate cyclase (GC) stimulators, such as riociguat (4.3)

-----WARNINGS AND PRECAUTIONS ----Patients should not use sildenafil tablets if sexual activity is inadvisable due to cardiovascular status (5.1)

Patients should seek emergency treatment if an erection lasts >4 hours. Use sildenafil tablets rations should seek entergency treatment an a rection tasks 24 hours. Use should tablets with caution in patients predisposed to priapism (5.2)

Patients should stop sildenafil tablets and seek medical care if a sudden loss of vision occurs in one or both eyes, which could be a sign of non arteritic anterior ischemic optic neuropathy (NAION). Sildenafil tablets should be used with caution, and only when the articipated benefits outweigh the risks, in patients with a history of NAION. Patients with a "crowded" optic disc may also be at an increased risk of NAION. (5.3) Patients should stop sildenafil tablets and seek prompt medical attention in the event of sudden decrease or loss of hearing (5.4)

Caution is advised when sildenafil tablets are co-administered with alpha-blockers or antihypertensives. Concomitant use may lead to hypotension (5.5)

Decreased blood pressure, syncope, and prolonged erection may occur at higher sildenafil exposures. In patients taking strong CYP inhibitors, such as ritonavir, sildenafil exposure is increased. Decrease in sildenafil tablets dosage is recommended (2.4, 5.6) ---ADVERSE REACTIONS -

Most common adverse reactions (\geq 2%) include headache, flushing, dyspepsia, abnormal vision, nasal congestion, back pain, myalgia, nausea, dizziness and rash (6.1) To report SUSPECTED ADVERSE REACTIONS, contact Hetero Labs Limited at 866-495-1995 or

FDA at 1-800-FDA-1088 or www.fda.gov/medwatch. ------DRUG INTERACTIONS -

Sildenafil tablets can potentiate the hypotensive effects of nitrates, alpha blockers, and anti-hypertensives (4.1, 5.5, 7.1, 7.2, 7.3, 12.2)

With concomitant use of alpha blockers, initiate sildenafil tablets at 25 mg dose (2.3)

CYP3A4 inhibitors (e.g., ritonavir, ketoconazole, itraconazole, erythromycin): Increase sildenafil tablets exposure (2.4, 7.4, 12.3)

Ritonavir: Do not exceed a maximum single dose of 25 mg in a 48 hour period (2.4, 5.6) Erythromycin or strong CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, saquinavir): Consider a starting dose of $25\ mg$ (2.4,7.4)

------USE IN SPECIFIC POPULATIONS Geriatric use: Consider a starting dose of 25 mg (2.5, 8.5)

Severe renal impairment: Consider a starting dose of 25 mg (2.5, 8.6) Hepatic impairment: Consider a starting dose of 25 mg (2.5, 8.7)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling

Revised: 05/2018

FULL PRESCRIBING INFORMATION: CONTENTS*

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FULL PRESCRIBING INFORMATION 1 INDICATIONS AND USAGE

Sildenafil tablets are indicated for the treatment of erectile dysfunction.

2 DOSAGE AND ADMINISTRATION 2.1 Dosage Information

dose of 100 mg or decreased to 25 mg

For most patients, the recommended dose is 50 mg taken, as needed, approximately 1 hour before sexual activity. However, sildenafil tablets may be taken anywhere from 30 minutes to 4 hours before sexual activity. The maximum recommended dosing frequency is once per day. Based on effectiveness and toleration, the dose may be increased to a maximum recommended

2.2 Use with Food

Sildenafil tablets may be taken with or without food. 2.3 Dosage Adjustments in Specific Situations

Sildenafil tablets were shown to potentiate the hypotensive effects of nitrates and its administration in patients who use nitric oxide donors such as organic nitrates or organic nitrites in any form is therefore contraindicated [see Contraindications (4.1), Drug Interactions (7.1), and Clinical

When sildenafil tablets are co-administered with an alpha-blocker, patients should be stable on alpha-blocker therapy prior to initiating sildenafil citrate tablets treatment and sildenafil tablets should be initiated at 25 mg [see Warnings and Precautions (5.5), Drug Interactions (7.2), and Clinical Pharmacology (12.2)].

2.4 Dosage Adjustments Due to Drug Interactions

Ritonavir

The recommended dose for ritonavir-treated patients is 25 mg prior to sexual activity and the recommended maximum dose is 25 mg within a 48 hour period because concomitant administration increased the blood levels of sildenafil by 11-fold [see Warnings and Precautions (5.6), Drug Interactions (7.4), and Clinical Pharmacology (12.3)].

CYP3A4 Inhibitors

Consider a starting dose of 25 mg in patients treated with strong CYP3A4 inhibitors (e.g., ketoconazole, itraconazole, or saquinavir) or erythromycin. Clinical data have shown that co-administration with saquinavir or erythromycin increased plasma levels of sildenafil by about 3 fold [see Drug Interactions (7.4) and Clinical Pharmacology (12.3)]. 2.5 Dosage Adjustments in Special Populations Consider a starting dose of 25 mg in patients > 65 years, patients with hepatic impairment

(e.g., cirrhosis), and patients with severe renal impairment (creatinine clearance 430 mL/minute) because administration of sildenafil tablets in these patients resulted in higher plasma levels of sildenafil [see Use in Specific Populations (8.5, 8.6, 8.7) and Clinical Pharmacology (12.3)]. 3 DOSAGE FORMS AND STRENGTHS

Sildenafil Tablets USP, 25 mg are white colored, round-shaped, biconvex, film coated tablets debossed with 'l' on one side and '35' on the other side.

Sildenafil Tablets USP, 50 mg are white colored, round-shaped, biconvex, film coated tablets debossed with 'I' on one side and '36' on the other side.

Sildenafil Tablets USP, 100 mg are white colored, round-shaped, biconvex, film coated tablets debossed with 'I' on one side and '58' on the other side. 4 CONTRAINDICATIONS

Consistent with its known effects on the nitric oxide/cGMP pathway [see Clinical Pharmacology (12.1, 12.2)], sildenafil tablets were shown to potentiate the hypotensive effects of nitrates, and its administration to patients who are using nitric oxide donors such as organic nitrates or nsistent with its known effects on the nitric oxide/cGMP pathway [see Clinical Pharmacology organic nitrites in any form either regularly and/or intermittently is therefore contraindicated. After patients have taken sildenafil tablets, it is unknown when nitrates, if necessary, can be safely administered. Although plasma levels of sildenafil at 24 hours post dose are much lower than at peak concentration, it is unknown whether nitrates can be safely co-administered at this time point [see Dosage and Administration (2.3), Drug Interactions (7.1), and Clinical Pharmacology (12.2)].

4.2 Hypersensitivity Reactions Sildenafil tablets are contraindicated in patients with a known hypersensitivity to sildenafil, as contained in sildenafil tablets and REVATIO, or any component of the tablet. Hypersensitivity

reactions have been reported, including rash and urticaria [see Adverse Reactions (6.1)]. 4.3 Concomitant Guanylate Cyclase (GC) Stimulators

Do not use sildenafil tablets in patients who are using a GC stimulator, such as riociguat. PDE5 inhibitors, including sildenafil tablets, may potentiate the hypotensive effects of GC stimulators.

5 WARNINGS AND PRECAUTIONS

There is a potential for cardiac risk of sexual activity in patients with preexisting cardiovascular disease. Therefore, treatments for erectile dysfunction, including sildenafil tablets, should not be generally used in men for whom sexual activity is inadvisable because of their underlying cardiovascular status. The evaluation of erectile dysfunction should include a determination of potential underlying causes and the identification of appropriate treatment following a complete

Sildenafil tablets have systemic vasodilatory properties that resulted in transient decreases in supine blood pressure in healthy volunteers (mean maximum decrease of 8.4/5.5 mmHg), [see Clinical Pharmacology (12.2)]. While this normally would be expected to be of little consequence in most patients, prior to prescribing sildenafil tablets, physicians should carefully consider whether their patients with underlying cardiovascular disease could be affected adversely by such vasodilatory effects, especially in combination with sexual activity.

Use with caution in patients with the following underlying conditions which can be particularly sensitive to the actions of vasodilators including sildenafil tablets - those with left ventricular outflow obstruction (e.g., aortic stenosis, idiopathic hypertrophic subaortic stenosis) and those with severely impaired autonomic control of blood pressure.

There are no controlled clinical data on the safety or efficacy of sildenafil tablets in the following groups; if prescribed, this should be done with caution.

Patients who have suffered a myocardial infarction, stroke, or life-threatening arrhythmia within the last 6 months;

• Patients with resting hypotension (BP <90/50 mmHg) or hypertension (BP >170/110 mmHg);

· Patients with cardiac failure or coronary artery disease causing unstable angina. 5.2 Prolonged Erection and Priapism

Prolonged erection greater than 4 hours and priapism (painful erections greater than 6 hours in duration) have been reported infrequently since market approval of sildenafil tablets. In the event of an erection that persists longer than 4 hours, the patient should seek immediate medical assistance. If priapism is not treated immediately, penile tissue damage and permanent loss of

Sildenafil tablets should be used with caution in patients with anatomical deformation of the penis (such as angulation, cavernosal fibrosis or Peyronie's disease), or in patients who have conditions which may predispose them to priapism (such as sickle cell anemia, multiple myeloma, or leukemia). However, there are no controlled clinical data on the safety or efficacy of sildenafil tablets in patients with patients and the safety of sildenafil tablets in patients.

Tell all your healthcare providers that you take medicines called when the pulmonary arterial hypertension and chronichhombenholic pulmonary arterial hypertension and chronichhombenholic pulmonary hypertension.

Tell all your healthcare providers that you take sidemafit taheis. I you need emergency medical care for a heart problem, it will be important for your healthcare provider to know when you last took sidenafil tableis.

Stop sexual activity and get medical.

Stop sexual activity and get medical.

- 7 DRUG INTERACTIONS 7.1 Nitrates 7.2 Alpha-blockers
- 7.3 Amlodipine 7.5 Alcohol
- 7.4 Ritonavir and Other CYP3A4 Inhibitors
- 8 USE IN SPECIFIC POPULATIONS
- 8.1 Pregnancy
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- *Sections or subsections omitted from the full prescribing information are not listed

5.3 Effects on the Eye

Physicians should advise patients to stop use of all phosphodiesterase type 5 (PDE5) inhibitors, including sildenafil tablets, and seek medical attention in the event of a sudden loss of vision in including sildenafil tablets, and seek medical attention in the event of a sudden loss of vision in one or both eyes. Such an event may be a sign of non-arteritic anterior ischemic optic neuropathy (NAION), a rare condition and a cause of decreased vision including permanent loss of vision, that has been reported rarely post-marketing in temporal association with the use of all PDE5 inhibitors. Based on published literature, the annual incidence of NAION is 2.5 to 11.8 cases per 100,000 in males aged ≥ 50 . An observational case-crossover study evaluated the risk of NAION when PDE5 inhibitor use, as a class, occurred immediately before NAION onset (within 5 half-lives), compared to PDE5 inhibitor use in a prior time period. The results suggest an approximate 2-fold increase in the risk of NAION, with a risk estimate of 2.15 (95% CI 1.06, 4.34). A similar study reported a consistent result, with a risk estimate of 2.27 (95% CI 0.99, 5.20). Other risk factors for NAION, such as the presence of "crowded" optic disc, may have contributed to the occurrence of NAION in these studies. Neither the rare post-marketing reports, nor the association of PDE5 inhibitor use and NAION in the observational studies, substantiate a causal relationship between PDE5 inhibitor use and NAION in the observational studies, substantiate a causal relationship between PDE5 inhibitor use and NAION [see Adverse Reactions (6.2)].

Physicians should consider whether their patients with underlying NAION risk factors could be adversely affected by use of PDE5 inhibitors. Individuals who have already experienced NAION are at increased risk of NAION recurrence. Therefore, PDE5 inhibitors, including sildenafil tablets, should be used with caution in these patients and only when the anticipated benefits outweigh the risks. Individuals with "crowded" optic disc are also considered at greater risk for NAION compared to the property of the p to the general population, however, evidence is insufficient to support screening of prospective users of PDE5 inhibitors, including sildenafil tablets, for this uncommon condition. There are no controlled clinical data on the safety or efficacy of sildenafil tablets in patients with mentosa (a minority of these patients have genetic disorders of retinal phosp

if prescribed, this should be done with caution.

Physicians should advise patients to stop taking PDE5 inhibitors, including sildenafil tablets, and which may be accompanied by tinnitus and dizziness, have been reported in temporal association to the intake of PDE5 inhibitors, including sildenafil tablets. It is not possible to determine whether these events are related directly to the use of PDE5 inhibitors or to other factors [see Adverse Reactions (6.1, 6.2)].

5.5 Hypotension when Co-administered with Alpha-blockers or Anti-hypertensives Alpha-blockers

Caution is advised when PDE5 inhibitors are co-administered with alpha-blockers. PDE5 inhibitors, including sildenafil tablets, and alpha-adrenergic blocking agents are both vasodilators with blood pressure lowering effects. When vasodilators are used in combination, an additive effect on blood pressure may occur. In some patients, concomitant use of these two drug classes can lower blood pressure significantly [see Drug Interactions (7.2) and Clinical Pharmacology (12.2)] leading to symptomatic hypotension (e.g., dizziness, lightheadedness, fainting). $\label{lem:consideration} \mbox{Consideration should be given to the following:}$

Patients who demonstrate hemodynamic instability on alpha-blocker therapy alone are at increased risk of symptomatic hypotension with concomitant use of PDE5 inhibitors. Patients should be stable on alpha-blocker therapy prior to initiating a PDE5 inhibitor.

In those patients who are stable on alpha-blocker therapy, PDE5 inhibitors should be initiated at the lowest dose [see Dosage and Administration (2.3)].

In those patients already taking an optimized dose of a PDE5 inhibitor, alpha-blocker therapy should be initiated at the lowest dose. Stepwise increase in alpha-blocker dose may be associated with further lowering of blood pressure when taking a PDE5 inhibitor. Safety of combined use of PDE5 inhibitors and alpha-blockers may be affected by other variables, including intravascular volume depletion and other anti-hypertensive drugs.

Anti-hypertensives Sildenafil tablets have systemic vasodilatory properties and may further lower blood pressure in patients taking anti-hypertensive medications. In a separate drug interaction study, when amlodipine, 5 mg or 10 mg, and sildenafil tablets, 100

mg were orally administered concomitantly to hypertensive patients mean additional blood pressure reduction of 8 mmHg systolic and 7 mmHg diastolic were noted (see Drug Interactions (7.3) and Clinical Pharmacology (12.2)]. 5.6 Adverse Reactions with the Concomitant Use of Ritonavir

The concomitant administration of the protease inhibitor ritonavir substantially increases serum concentrations of sildenafil (11-fold increase in AUC). If sildenafil tablets are prescribed to patients taking ritonavir, caution should be used. Data from subjects exposed to high systemic levels of sildenafil are limited. Decreased blood pressure, syncope, and prolonged erection were reported in some healthy volunteers exposed to high doses of sildenafil (200 to 800 mg). To decrease the chance of adverse reactions in patients taking ritonavir, a decrease in sildenafil dosage is recommended [see Dosage and Administration (2.4), Drug Interactions (7.4), and Clinical Pharmacology (12.3)].

5.7 Combination with other PDE5 Inhibitors or Other Erectile Dysfunction Therapies The safety and efficacy of combinations of sildenafil tablets with other PDE5 Inhibitors, including REVATIO or other pulmonary arterial hypertension (PAH) treatments containing sildenafil, or other treatments for erectile dysfunction have not been studied. Such combinations may further lower blood pressure. Therefore, the use of such combinations is not recommended.

There have been postmarketing reports of bleeding events in patients who have taken sildenafil tablets. A causal relationship between sildenafil tablets and these events has not been established. In humans, sildenafil tablets have no effect on bleeding time when taken alone or with aspirin. However, in vitro studies with human platelets indicate that sildenafil potentiates the antiaggregatory effect of sodium nitroprusside (a nitric oxide donor). In addition, the combination of heparin and sildenafil lablets had an additive effect on bleeding time in the anesthetized rabbit, but this interaction has not been studied in humans.

The safety of sildenafil tablets is unknown in patients with bleeding disorders and patients with active peptic ulceration. 5.9 Counseling Patients About Sexually Transmitted Diseases

The use of sildenafil tablets offers no protection against sexually transmitted diseases. Cou of patients about the protective measures necessary to guard against sexually transmitted diseases, including the Human Immunodeficiency Virus (HIV), may be considered.

5.8 Effects on Bleeding

(5.9)]

nausea during sex.

Sexual activity can put an extra strain on your heart, especially if your heart is already weak from a heart attack or heart disease. Ask your doctor if your heart is healthy enough to handle the extra strain of having sex. Sildenafil tablets does not protect you or your partner from getting sexually transmitted diseases, including HIV—the virus that causes AIDS.

What are sildenafil tablets?

What are sildenafil tablets?

Sildenafil tablet is a prescription medicine used to treat erectile dysfunction (ED). You will not get an erection just by taking this medicine. Sildenafil tablets helps a man with erectile dysfunction get and keep an erection only when he its exxually excited (stimulated). Sildenafil tablets are not for use in women or children. It is not known if sildenafil tablets are sate and effective in women or children under 18 years of age.

Who should not take sildenafil tablets?

Do not take sildenafil tablets if you:

The rectile of the intervence called "nitrates" (such as introdiveenin).

The following are discussed in more detail in other sections of the labeling:

Cardiovascular [see Warnings and Precautions (5.1)] Prolonged Erection and Priapism [see Warnings and Precautions (5.2)]

Effects on Bleeding [see Warnings and Precautions (5.8)]

Effects on the Eye [see Warnings and Precautions (5.3)] Hearing Loss [see Warnings and Precautions (5.4)]

Hypotension when Co-administered with Alpha-blockers or Anti-hypertensives [$see\ Warnings$ and $Precautions\ (5.5)$] Adverse Reactions with the Concomitant Use of Ritonavir [see Warnings and Precautions

Combination with other PDE5 Inhibitors or Other Erectile Dysfunction Therapies [see Warnings and Precautions (5.7)]

The most common adverse reactions reported in clinical trials (≥2%) are headache, flushing dyspepsia, abnormal vision, nasal congestion, back pain, myalgia, nausea, dizziness, and rash

Counseling Patients About Sexually Transmitted Diseases [see Warnings and Precautions

use street drugs called "poppers" such as amy nitrate or amyl nitrite, and butyl nitrate cyclases take any medicines called guanylate cyclases stimulators such as ricoiguat (Adempas), are allergic to sildenafil, as contained in sildenafil tablels and REVATIO, or any of the ingredents in sildenafil tablels. See the end of this leaffel for a complete list of ingredients in sildenafil tablels. sildenafil tablets, tell your healthcar

Nuter It you:

I have or have had heart problems such as a heart attack, irregular heartbeat, angina, chest pan, harrowing of the aortic valve or heart fallure.

I have had heart surgery within the last 6 months have be pulmonary hypertension

I have had a stroke

I have low blood pressure, or high blood pressure that its not controlled.

I have a deformed penis shape

I have a deformed penis shape

I have broblems with your blood cells such as sickle cell amenia, multiple myeloma, or leukemia have retinitis pigmentosa, a rare genetic (runs in families) eye disease

I have bedding problems

I have bleeding problems

I have bleeding problems

I have bleeding problems

I have bleeding problems

I have kidney problems or are having kidney dialysis

have any other medical conditions
 Tell your healthcare provider about all the medicines
you takes, including prescription and over-the-counter
medicines, vitamins, and herbal supplements.
Sildenaili tables may affect the way other medicines
work, and other medicines may affect the way sildenail
tablet works causing side effects. Especially tell your
healthcare provider if you take any of the following:
 medicines called nitrates (see "What is the most
important information I should know about
sildenaili tablets?")

as riociguat (Adempas)

as riociguat (Adempas)

(teazosin HO), Formax (tamsuosin HC), Cardura (doxazosin mesylate), Minipress (prazosin HC)), Cardura (doxazosin mesylate), Minipress (prazosin HC)), Lovartal (alfuzosin HC), Lalyin (dutasteride and tamsulosin HC), Lalyin (dutasteride and blockers are sometimes prescribed for prostate problems or high blood pressure in some patients, the use of sidenafil tablets with alpha-blockers can lead to a drop in blood pressure or to fainting.

Including the process inhibitors, such as medicines called HVI portease inhibitors, such as quinavir (Fortovase or Invirase) or darazanavir, sulfate (Reyataz).

Some types of oral antiturgal medicines, such as ketoconazole (Nizoral), and firaconozale (Sporanox) some types of antitulositics, such as clarithromycin other medicines that treat high blood pressure other medicines or treatments for ED content medicines or treatments for ED sildenafil tablets should not be used with REVATIO or with other PAH treatments containing sildenafil or any other PDE5 inhibitors (Such as Adelicial Indeption).

althcare provider or pharm: cines, if you are not sure. medicines you take. Keep a ur healthcare provider and p ur wedicine.

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Spec: Printed on 40 GSM Bible paper, front & back side printing. Note: Position of the pharma code and product name will change as per folding machine feasibility. Note: 2D Barcode to be overprinting at supplier end & it contains our item code, supplier serial number.





Figure 2: Mean Standing Systolic Blood Pressure Change from Baseline

Blood pressure was measured immediately pre-dose and at 15, 30, 45 minutes, and 1, 1.5, 2, 2.5. 3, 4, 6 and 8 hours after sildenafil tablets or matching placebo. Outliers were defined as subjects with a standing systolic blood pressure of <85 mmHg or a decrease from baseline in standing systolic blood pressure of >30 mmHg at one or more timepoints. There were no subjects treated systime blood pressure of 300 mining at one of more ambipoints. There were no subjects neared with sildenafil tablets 25 mg who had a standing SBP < 85mmHg. There were three subjects with a decrease from baseline in standing systolic BP >30mmHg following sildenafil tablets 25 mg, one subject with a decrease from baseline in standing systolic BP > 30 mmHg following placebo and two subjects with a decrease from baseline in standing systolic BP > 30 mmHg following placebo and two subjects with a decrease from baseline in standing systolic BP > 30 mmHg following both sildenafil tablets and placebo. No severe adverse events potentially related to blood pressure effects were reported in this group.

Of the four subjects who received sildenafil tablets 100 mg in the first part of this study, a severe adverse event related to blood pressure effect was reported in one patient (postural hypotension that began 35 minutes after dosing with sildenafil tablets with symptoms lasting for 8 hours), and mild adverse events potentially related to blood pressure effects were reported in two others (dizziness, headache and fatigue at 1 hour after dosing; and dizziness, lightheadedness and nausea at 4 hours after dosing). There were no reports of syncope among these patients. For these four subjects, the placebo-subtracted mean maximum decreases from baseline in supine and standing systolic blood pressures were 14.8 mmHg and 21.5 mmHg, respectively. Two of these subjects had a standing SBP < 85mmHg. Both of these subjects were protocol violators, one due to a low baseline standing SBP, and the other due to baseline orthostatic hypotension Study 2: Sildenafil tablets with Doxazosin

In the second study, a single oral dose of sildenafil tablets 50 mg or matching placebo was administered in a 2-period crossover design to 20 generally healthy males with BPH. Following at least 14 consecutive days of doxazosin, sildenafil tablets 50 mg or matching placebo was administered simultaneously with doxazosin 4 mg (17 subjects) or with doxazosin 8 mg (3 subjects). The mean subject age in this study was 63.9 years.

Twenty subjects received sildenafil tablets 50 mg, but only 19 subjects received matching placebo One patient discontinued the study prematurely due to an adverse event of hypotension following dosing with sildenafil tablets 50 mg. This patient had been taking minoxidil, a potent vasodilator,

For the 19 subjects who received both sildenafil tablets and matching placebo, the placebosubtracted mean maximum decreases from baseline (95% CI) in systolic blood pressure were as

Placebo-subtracted mean maximum decrease	
in systolic blood pressure (mm Hg)	Sildenafil tablets 50 mg (95% CI)
Supine	9.08 (5.48, 12.68)
Standing	11.62 (7.34, 15.90)

The mean profiles of the change from baseline in standing systolic blood pressure in subjects treated with doxazosin in combination with 50 mg sildenafil tablets or matching placebo are shown in Figure 3.

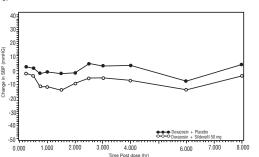


Figure 3: Mean Standing Systolic Blood Pressure Change from Baseline

Blood pressure was measured after administration of sildenafil tablets at the same times as those specified for the first doxazosin study. There were two subjects who had a standing SBP of < 85 mmHg. In these two subjects, hypotension was reported as a moderately severe adverse event, beginning at approximately 1 hour after administration of sildenafil tablets 50 mg and resolving after approximately 7.5 hours. There was one subject with a decrease from baseline in standing systolic BP > 30 mmHg following sildenafil tablets 50 mg and one subject with a decrease from baseline in standing systolic BP > 30 mmHg following bidenafil tablets 50 mg and placebo. There were no severe adverse events potentially related to blood pressure and no episodes of

Study 3: Sildenafil tablets with Doxazosin

In the third study, a single oral dose of sildenafil tablets 100 mg or matching placebo was administered in a 3-period crossover design to 20 generally healthy males with BPH. In dose period 1, subjects were administered open-label doxazosin and a single dose of sildenafil tablets 50 mg simultaneously, after at least 14 consecutive days of doxazosin. If a subject did not successfully complete this first dosing period, he was discontinued from the study. Subjects who had successfully completed the previous doxazosin interaction study (using sildenafil tablets 50 mg), including no significant hemodynamic adverse events, were allowed to skip dose period 1. Treatment with doxazosin continued for at least 7 days after dose period 1. Thereafter, sildenafil tablets 100 mg or matching placebo was administered simultaneously with doxazosin 4 mg (14 subjects) or doxazosin 8 mg (6 subjects) in standard crossover fashion. The mean subject age in this study

Twenty-five subjects were screened. Two were discontinued after study period 1: one failed to meet pre-dose screening qualifications and the other experienced symptomatic hypotension as a orderately severe adverse event 30 minutes after dosing with open-label slidenafil tablets 50 mg.

Of the twenty subjects who were ultimately assigned to treatment, a total of 13 subjects successfully completed dose period 1, and seven had successfully completed the previous doxazosin study (using sildenafil tablets 50 mg)

For the 20 subjects who received sildenafil tablets 100 mg and matching placebo, the placebosubtracted mean maximum decreases from baseline (95% CI) in systolic blood pressure were as

Placebo-subtracted mean maximum decrease	
in systolic blood pressure (mm Hg)	Sildenafil tablets 100 mg
Supine	7.9 (4.6, 11.1)
Standing	4.3 (-1.8, 10.3)

The mean profiles of the change from baseline in standing systolic blood pressure in subjects treated with doxazosin in combination with 100 mg sildenafil tablets or matching placebo are shown in Figure 4.

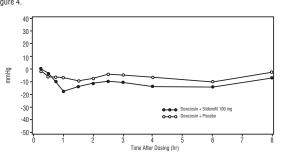


Figure 4: Mean Standing Systolic Blood Pressure Change from Baseline

Blood pressure was measured after administration of sildenafil tablets at the same times as those pecified for the previous doxazosin studies. There were three subjects who had a standing SBP of < 85 mmHg. All three were taking sildenafil tablets 100 mg, and all three reported mild adverse events at the time of reductions in standing SBP, including vasodilation and lightheadedness. There were four subjects with a decrease from baseline in standing systolic BP > 30 mmHg following sildenafil tablets 100 mg, one subject with a decrease from baseline in standing systolic BP > 30 mmHq following placebo and one subject with a decrease from baseline in standing systolic BP > 30 mmHg following both sildenafil tablets and placebo. While there were no severe adverse events potentially related to blood pressure reported in this study, one subject reported moderate vasodilatation after both sildenafil tablets 50 mg and 100 mg. There were no episodes of syncope

Effect of Sildenafil Tablets on Blood Pressure When Co-administered with Anti-hypertensives: When sildenafil tablets 100 mg oral was co-administered with amlodipine, 5 mg or 10 mg oral, to hypertensive patients, the mean additional reduction on supine blood pressure was 8 mm systolic and 7 mmHg diastolic.

Effect of Sildenafil Tablets on Blood Pressure When Co-administered with Alcohol: Sildenafil tablets (50 mg) did not potentiate the hypotensive effect of alcohol (0.5 g/kg) in healthy volunteers with mean maximum blood alcohol levels of 0.08%. The maximum observed decrease in systolic blood pressure was -18.5 mmHg when sildenafil was co-administered with alcohol versus -17.4 mmHg when alcohol was administered alone. The maximum observed decrease in diastolic blood pressure was -17.2 mmHg when sildenafil was co-administered with alcohol versus -11.1 mmHg when alcohol was administered alone. There were no reports of postural dizziness or orthostatic nypotension. The maximum recommended dose of 100 mg sildenafil was not evaluated in this

Effects of Sildenafil Tablets on Cardiac Parameters: Single oral doses of sildenafil up to 100 mg

small, open-label, uncontrolled, pilot study, eight patients with stable ischemic heart disease

underwent Swan-Ganz catheterization. A total dose of 40 mg sildenafil was administered by four

intravenous infusions

study [see Drug Interactions (7.5)]. produced no clinically relevant changes in the ECGs of normal male volunteers. Studies have produced relevant data on the effects of sildenafil tablets on cardiac output. In one

The results from this pilot study are shown in Table 3; the mean resting systolic and diastolic blood pressures decreased by 7% and 10% compared to baseline in these patients. Mean resting values for right atrial pressure, pulmonary artery pressure, pulmonary artery occluded pressure and cardiac output decreased by 28%, 28%, 20% and 7% respectively. Even though this total dosage produced plasma sildenafil concentrations which were approximately 2 to 5 times higher than the mean naximum plasma concentrations following a single oral dose of 100 mg in healthy male volunteers, the hemodynamic response to exercise was preserved in these patients

Table 3. Hemodynamic Data in Patients with Stable Ischemic Heart Disease after Intravenous

Mean ± SD	At rest				After 4 minutes of exercise			
	N	Baseline (B2)	n	Sildenafil (D1)	n	Baseline	n	Sildenafil
PAOP (mmHg)	8	8.1 ± 5.1	8	6.5 ± 4.3	8	36 ± 13.7	8	27.8 ± 15.3
Mean PAP (mmHg)	8	16.7 ± 4	8	12.1 ± 3.9	8	39.4 ± 12.9	8	31.7 ± 13.2
Mean RAP (mmHg)	7	5.7 ± 3.7	8	4.1 ± 3.7	-	-	-	-
Systolic SAP (mmHg)	8	150.4 ± 12.4	8	140.6 ± 16.5	8	199.5 ± 37.4	8	187.8 ± 30
Diastolic SAP (mmHg)	8	73.6 ± 7.8	8	65.9 ± 10	8	84.6 ± 9.7	8	79.5 ± 9.4
Cardiac output (L/min)	8	5.6 ± 0.9	8	5.2 ± 1.1	8	11.5 ± 2.4	8	10.2 ± 3.5
Heart rate (bpm)	8	67 ± 11.1	8	66.9 ± 12	8	101.9 ± 11.6	8	99 ± 20.4

In a double-blind study, 144 patients with erectile dysfunction and chronic stable angina limited by exercise, not receiving chronic oral nitrates, were randomized to a single dose of placebo or sildenafil tablets 100 mg 1 hour prior to exercise testing. The primary endpoint was time to limiting angina in the evaluable cohort. The mean times (adjusted for baseline) to onset of limiting angina were 423.6 and 403.7 seconds for sildenafil (N=70) and placebo, respectively. These results demonstrated that the effect of sildenafil tablets on the primary endpoint was statistically noninferior to placebo

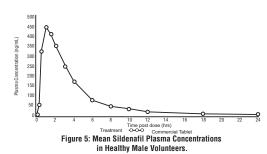
Effects of Sildenafil Tablets on Vision: At single oral doses of 100 mg and 200 mg, transient dose teneus of Sindenam Tablets on Vision: At single oral doses of 100 mg and 200 mg, translent dose-related impairment of color discrimination was detected using the Farnsworth-Munsell 100-hue test, with peak effects near the time of peak plasma levels. This finding is consistent with the inhibition of PDE6, which is involved in phototransduction in the retina. Subjects in the study reported this finding as difficulties in discriminating blue/green. An evaluation of visual function at doses up to twice the maximum recommended dose revealed no effects of sildenafil tablets on visual acuity, intraocular pressure, or pupillometry.

Effects of Sildenafil Tablets on Sperm: There was no effect on sperm motility or morphology after single 100 mg oral doses of sildenafil tablets in healthy volunteers 12.3 Pharmacokinetics

Sildenafil tablets are rapidly absorbed after oral administration, with a mean absolute bioavailability of 41% (range 25 to 63%). The pharmacokinetics of sildenafil are dose-proportional over the recommended dose range. It is eliminated predominantly by hepatic metabolism (mainly CYP3A4) and is converted to an active metabolite with properties similar to the parent, sildenafil.

Mean sildenafil plasma concentrations measured after the administration of a single oral dose of 100 mg to healthy male volunteers is depicted belo

Both sildenafil and the metabolite have terminal half lives of about 4 hours.



Absorption and Distribution: Sildenafil tablets are rapidly absorbed. Maximum observed plasma Austription and partition in Schedulin Labels are tapiny assorbed. Maximizing overvet plasmia concentrations are reached within 30 to 120 minutes (median 60 minutes) of oral dosing in the fasted state. When slidenafil tablets are taken with a high fat meal, the rate of absorption is reduced, with a mean delay in T_{max} of 60 minutes and a mean reduction in C_{max} of 29%. The mean steady state volume of distribution (Vss) for sildenafil is 105 L, indicating distribution into the tissues. Sildenafil and its major circulating N-desmethyl metabolite are both approximately 96% bound to plasma proteins. Protein binding is independent of total drug concentrations. Based upon measurements of sildenafil in semen of healthy volunteers 90 minutes after dosing. less than 0.001% of the administered dose may appear in the semen of patients.

Metabolism and Excretion: Sildenafil is cleared predominantly by the CYP3A4 (major route) and wetabolism and excretion: Siloenath is cleared precomminatity by the CYPSA4 (major route) and CYP2C9 (minor route) hepatic microsomal isoenzymes. The major circulating metabolite results from N-desmethylation of sildenafil, and is itself further metabolized. This metabolite has a PDE selectivity profile similar to sildenafil and an *in vitro* potency for PDE5 approximately 50% of the parent drug. Plasma concentrations of this metabolite are approximately 40% of those seen fo sildenafil, so that the metabolite accounts for about 20% of sildenafil's pharmacologic effects After either oral or intravenous administration, sildenafil is excreted as metabolites predominantly in the feces (approximately 80% of administered oral dose) and to a lesser extent in the urine (approximately 13% of the administered oral dose). Similar values for pharmacokinetic parameters were seen in normal volunteers and in the patient population, using a population pharmacokinetic

Pharmacokinetics in Special Populations

Geriatrics: Healthy elderly volunteers (65 years or over) had a reduced clearance of sildenafil, resulting in approximately 84% and 107% higher plasma AUC values of sildenafil and its active N-desmethyl metabolite, respectively, compared to those seen in healthy younger volunteers (18 of 45 years). Due to age-differences in plasma protein binding, the corresponding increase in the AUC of free (unbound) sildenafil and its active N-desmethyl metabolite were 45% and 57%, respectively [see Dosage and Administration (2.5), and Use in Specific Populations (8.5)]

Renal Impairment: In volunteers with mild (CLcr=50 to 80 mL/min) and moderate (CLcr=30 to 49 mL/min) renal impairment, the pharmacokinetics of a single oral dose of sildenafil tablets (50 mg) were not altered. In volunteers with severe (CLcr<30 mL/min) renal impairment, sildenafil clearance was reduced, resulting in approximately doubling of AUC and Q_{max} compared to agematched volunteers with no renal impairment [see Dosage and Administration (2.5), and Use in Specific Populations (8.6)]

In addition, N-desmethyl metabolite AUC and C_{\max} values significantly increased by 200% and 79%, respectively in subjects with severe renal impairment compared to subjects with normal renal

Hepatic Impairment: In volunteers with hepatic impairment (Child-Pugh Class A and B), sildenafil clearance was reduced, resulting in increases in AUC (85%) and C_{max} (47%) compared to agematched volunteers with no hepatic impairment. The pharmacokinetics of sildenaffi in patients with severely impaired hepatic function (Child-Pugh Class C) have not been studied [see Dosage and Administration (2.5), and Use in Specific Populations (8.7)].

Therefore, age >65, hepatic impairment and severe renal impairment are associated with increased plasma levels of sildenafil. A starting oral dose of 25 mg should be considered in those patients [see Dosage and Administration (2. 5)].

Drug Interaction Studies Effects of Other Drugs on Sildenafil Tablets

Sildenafil metabolism is principally mediated by CYP3A4 (major route) and CYP2C9 (minor route). Therefore, inhibitors of these isoenzymes may reduce sildenafil clearance and inducers of these isoenzymes may increase sildenafil clearance. The concomitant use of erythromycin or strong CYP3A4 inhibitors (e.g., saquinavir, ketoconazole, itraconazole) as well as the nonspecific CYP inhibitor, cimetidine, is associated with increased plasma levels of sildenafil [see Dosage and Administration (2.4)].

Cimetidine (800 mg), a nonspecific CYP inhibitor, caused a 56% increase in plasma sildenafil concentrations when co-administered with sildenafil tablets (50 mg) to healthy volunteers When a single 100 mg dose of sildenafil tablets were administered with erythromycin, a moderate when a single 100 mg dose or sidenalin labets were administered with erythromycin, a moderate CYP3A4 inhibitor, at steady state (500 mg bid for 5 days), there was a 160% increase in sildenafil C_{max} and a 182% increase in sildenafil AUC. In addition, in a study performed in healthy male volunteers, co-administration of the HIV protease inhibitor saquinavir, also a CYP3A4 inhibitor, at steady state (1200 mg tid) with sildenafil tablets (100 mg single dose) resulted in a 140% increase in sildenafil C_{max} and a 210% increase in sildenafil AUC. Sildenafil tablets had no effect on saquinavir pharmacokinetics. A stronger CYP3A4 inhibitor such as ketoconazole or itraconazole could be expected to have greater effect than that seen with saquinavir. Population pharmacokinetic data from patients in clinical trials also indicated a reduction in sildenafil clearance when it was co-administered with CYP3A4 inhibitors (such as ketoconazole, erythromycin, or cimetidine) [see Dosage and Administration (2.4) and Drug Interactions (7.4)].

In another study in healthy male volunteers, co-administration with the HIV protease inhibitor ritonavir, which is a highly potent P450 inhibitor, at steady state (500 mg bid) with sildenafil tablets (100 mg single dose) resulted in a 300% (4-fold) increase in sildenafil \tilde{C}_{max} and a 1000% (11-fold) increase in sildenafil plasma AUC. At 24 hours the plasma levels of sildenafil were still approximately 200 ng/mL, compared to approximately 5 ng/mL when sildenafil was dosed alone. This is consisten with ritonavir's marked effects on a broad range of P450 substrates. Sildenafil tablets had no effect on ritonavir pharmacokinetics [see Dosage and Administration (2.4) and Drug Interactions (7.4)].

Although the interaction between other protease inhibitors and sildenafil has not been studied, their concomitant use is expected to increase sildenafil levels. In a study of healthy male volunteers, co-administration of sildenafil at steady state (80 mg t.i.d.) ielin receptor antagonist bosentan (a moderate inducer of CYP3A4, CYP2C9 and possibly of CYP2C19) at steady state (125 mg b.i.d.) resulted in a 63% decrease of sildenafil AUC and a 55% decrease in sildenafil C_{max} . Concomitant administration of strong CYP3A4 inducers, such as rifampin, is expected to cause greater decreases in plasma levels of sildenafil

Single doses of antacid (magnesium hydroxide/aluminum hydroxide) did not affect the bioavailability

(500 mg daily for 3 days) on the systemic exposure of sildenafil or its major circulating metabolite Pharmacokinetic data from patients in clinical trials showed no effect on sildenafil pharmacokinetics of CYP2C9 inhibitors (such as tolbutamide, warfarin), CYP2D6 inhibitors (such as selective serotonin reuptake inhibitors, tricyclic antidepressants), thiazide and related diuretics, ACE inhibitors, and calcium channel blockers. The AUC of the active metabolite, N-desmethyl sildenafil, was increased 62% by loop and potassium-sparing diuretics and 102% by nonspecific beta-blockers. These effects on the metabolite are not expected to be of clinical consequence.

Effects of Sildenafil Tablets on Other Drugs

nafil is a weak inhibitor of the CYP isoforms 1A2, 2C9, 2C19, 2D6, 2E1 and 3A4 (IC50 >150 μ M). Given sildenafil peak plasma concentrations of approximately 1 μ M after recommended doses, it is unlikely that sildenafil tablets will alter the clearance of substrates of these isoenzymes. In vivo studies:

No significant interactions were shown with tolbutamide (250 mg) or warfarin (40 mg), both of which are metabolized by CYP2C9. In a study of healthy male volunteers, sildenafil (100 mg) did not affect the steady state

pharmacokinetics of the HIV protease inhibitors, saquinavir and ritonavir, both of which are CYP3A4 substrates. Sildenafil tablets (50 mg) did not potentiate the increase in bleeding time caused by aspirin (150

Sildenafil at steady state, at a dose not approved for the treatment of erectile dysfunction (80 mg t.i.d.) resulted in a 50% increase in AUC and a 42% increase in C_{max} of bosentan (125 mg b.i.d.).

13 NONCLINICAL TOXICOLOGY 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Sildenafil was not carcinogenic when administered to rats for 24 months at a dose resulting in total systemic drug exposure (AUCs) for unbound sildenafil and its major metabolite of 20-and 38-times, for male and female rats, respectively, the exposures observed in human males given the Maximum Recommended Human Dose (MRHD) of 100 mg. Sildenafil was not carcinogenic when administered to mice for 18 to 21 months at dosages up to the Maximum Tolerated Dose (MTD) of 10 mg/kg/day. approximately 0.4 times the MRHD on a $^{\circ}$ mg/m 2 basis in a 50 kg subject. <u>Mutagenesis</u>

mutagenicity, and *in vitro* human lymphocytes and *in vivo* mouse micronucleus assays to detect clastogenicity.

Impairment of Fertility There was no impairment of fertility in rats given sildenafil up to 60 mg/kg/day for 36 days to

females and 102 days to males, a dose producing an AUC value of more than 25 times the human male AUC. 14 CLINICAL STUDIES

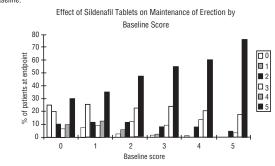
In clinical studies, sildenafil tablets was assessed for its effect on the ability of men with erectile dysfunction (ED) to engage in sexual activity and in many cases specifically on the ability to achieve and maintain an erection sufficient for satisfactory sexual activity. Sildenafil tablets were evaluated primarily at doses of 25 mg, 50 mg and 100 mg in 21 randomized, double-blind, placebo-controlled trials of up to 6 months in duration, using a variety of study designs (fixed dose, titration, parallel, crossover). Sildenafil tablets were administered to more than 3,000 patients aged 19 to 87 years, with ED of various etiologies (organic, psychogenic, mixed) with a mean duration of 5 years. Sildenafil tablets demonstrated statistically significant improvement compared to placebo in all 21 studies. The studies that established benefit demonstrated improvements in success rates for success that the statement of the statement of the statement of the studies of the statement sexual intercourse compared with placebo

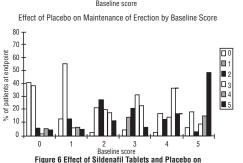
Efficacy Endpoints in Controlled Clinical Studies

The effectiveness of sildenafil tablets were evaluated in most studies using several assessmen instruments. The primary measure in the principal studies was a sexual function questionnaire (the International Index of Erectile Function -IIEF) administered during a 4-week treatment-free run-in period, at baseline, at follow-up visits, and at the end of double-blind, placebo-controlled, at-home treatment. Two of the questions from the IIEF served as primary study endpoints; categorical responses were elicited to questions about (1) the ability to achieve erections sufficient for sexual intercourse and (2) the maintenance of erections after penetration. The patient addressed both suscious extensions the final visit for the leaf A week or the study. The possible activations are penetrated to the proposed of the study. questions at the final visit for the last 4 weeks of the study. The possible categorical responses to these questions at the limit wish to the last 4 weeks of the study. The possible categoritical responses to the sequestions were (0) no attempted intercourse, (1) never or almost never, (2) a few times, (3) sometimes, (4) most times, and (5) almost always or always. Also collected as part of the IEF was information about other aspects of sexual function, including information on erectile function, orgasm, desire, satisfaction with intercourse, and overall sexual satisfaction. Sexual function data were also recorded by patients in a daily diary. In addition, patients were asked a global efficacy question and an optional partner questionnaire was administered.

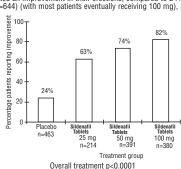
Efficacy Results from Controlled Clinical Studies

The effect on one of the major end points, maintenance of erections after penetration, is shown in Figure 6, for the pooled results of 5 fixed-dose, dose-response studies of greater than one month duration, 8 howing response according to baseline function. Results with all doses have been pooled, but scores showed greater improvement at the 50 and 100 mg doses than at 25 mg. The pattern of responses was similar for the other principal question, the ability to achieve an erection sufficient for intercourse. The titration studies, in which most patients received 100 mg, showed similar results. Figure 6 shows that regardless of the baseline levels of function, subsequent function in patients treated with sildenafil tablets were better than that seen in patients treated with placebo. At the same time, on-treatment function was better in treated patients who were less impaired at





Maintenance of Erection by Baseline Score. The frequency of patients reporting improvement of erections in response to a global question in four of the randomized, double-blind, parallel, placebo-controlled fixed dose studies (1797 patients) of 12 to 24 weeks duration is shown in Figure 7. These patients had erectile dysfunction at baseline that was characterized by median categorical scores of 2 (a few times) on principal IIEF questions. Erectile dysfunction was attributed to organic (58%; generally not characterized, but including diabetes and excluding spinal cord injury), psychogenic (17%), or mixed (24%) etiologies. Sixty-three percent, 74%, and 82% of the patients on 25 mg, 50 mg and 100 mg of sildenafil tablets, respectively, reported an improvement in their erections, compared to 24% on placebo. In the titration studies (n=644) (with most patients eventually receiving 100 mg), results were similar.



an Improvement in Erections. The patients in studies had varying degrees of ED. One-third to one-half of the subjects in these studies reported successful intercourse at least once during a 4-week, treatment-free run-in period In many of the studies of both fixed dose and titration designs, daily diaries were kept by natients In these studies, involving about 1600 patients, analyses of patient diaries showed no effect of sildenafil tablets on rates of attempted intercourse (about 2 per week), but there was clear treatment-related improvement in sexual function: per patient weekly success rates averaged 1.3 on 50 to 100 mg of sildenafil tablets vs 0.4 on placebo; similarly, group mean success rates (total successes divided by total attempts) were about 66% on sildenafil tablets vs about 20% on placebo.

Figure 7. Percentage of Patients Reporting

During 3 to 6 months of double-blind treatment or longer-term (1 year), open-label studies, few patients withdrew from active treatment for any reason, including lack of effectiveness. At the end of the long-term study, 88% of patients reported that sildenafil tablets improved their erections. Men with untreated ED had relatively low baseline scores for all aspects of sexual function measured frequency, firmness and maintenance of erections; frequency of orgasm; frequency and level of desire; frequency, satisfaction and enjoyment of intercourse; and overall relationship satisfaction One randomized, double-blind, flexible-dose, placeho-controlled study included only nationts with erectile dysfunction attributed to complications of diabetes mellitus (n=268). As in the other titration electine dystinication attributed to complications of diabetes mentals (12-20). As in the dimit diabord studies, patients were started on 50 mg and allowed to adjust the dose up to 100 mg or down to 25 mg of sildenafil tablets; all patients, however, were receiving 50 mg or 100 mg at the end of the study. There were highly statistically significant improvements on the two principal IIEF questions

of sildenafil tablets patients reported improved erections versus 10% on placebo. Diary data indicated that on sildenafil tablets, 48% of intercourse attempts were successful versus 12% on One randomized, double-blind, placebo-controlled, crossover, flexible-dose (up to 100 mg) study of patients with erectile dysfunction resulting from spinal cord injury (n=178) was conducted. The changes from baseline in scoring on the two end point questions (frequency of successful penetration during sexual activity and maintenance of erections after penetration) were highly statistically using sexual activity and maintenance or rectuons after penetration) were rightly statistically significantly in favor of sildenafil tablets. On a global improvement question, 83% of patients reported improved erections on sildenafil tablets versus 12% on placebo. Diary data indicated that on sildenafil tablets, 59% of attempts at sexual intercourse were successful compared to 13% on

(frequency of successful penetration during sexual activity and maintenance of erections after

penetration) on sildenafil tablets compared to placebo. On a global improvement question, 57%

placebo. Across all trials, sildenafil tablets improved the erections of 43% of radical prostatectomy patients

compared to 15% on placeho. Subgroup analyses of responses to a global improvement question in patients with psychogenic etiology in two fixed-dose studies (total n=179) and two titration studies (total n=149) showed 84% of sildenafil tablets patients reported improvement in erections compared with 26% of placebo. The changes from baseline in scoring on the two end point questions (frequency of successful penetration during sexual activity and maintenance of erections after penetration) were highly statistically significantly in favor of sildenafil tablets. Diary data in two of the studies (n=178) showed rates of successful intercourse per attempt of 70% for sildenafil tablets and 29% for

Efficacy Results in Subpopulations in Controlled Clinical Studies

A review of population subgroups demonstrated efficacy regardless of baseline severity, etiology, race and age. sildenafil tablets was effective in a broad range of ED patients, including those with a history of coronary artery disease, hypertension, other cardiac disease, peripheral vascular disease, diabetes mellitus, depression, coronary artery bypass graft (CABG), radical prostatectomy transurethral resection of the prostate (TURP) and spinal cord injury, and in patients taking antidepressants/antipsychotics and anti-hypertensives/diuretics.

16 HOW SUPPLIED/STORAGE AND HANDLING Sildenafil Tablets USP, 25 mg are white colored, round-shaped, biconvex, film coated tablets debossed with 'l' on one side and '35' on the other side. They are available as follows:

Bottles of 30 tablets NDC 31722-709-30 NDC 31722-709-05 Bottles of 500 tablets

Sildenafil Tablets USP, 50 mg are white colored, round-shaped, biconvex, film coated tablets debossed with 'I' on one side and '36' on the other side. They are available as follows Bottles of 30 tablets NDC 31722-710-30

NDC 31722-710-01 Bottles of 100 tablets Bottles of 500 tablets NDC 31722-710-05 enafil Tablets USP, 100 mg are white colored, round-shaped, biconvex, film coated tablets debossed with 'I' on one side and '58' on the other side. They are available as follows

Bottles of 30 tablets NDC 31722-711-30 Bottles of 100 tablets NDC 31722-711-01 Bottles of 500 tablets NDC 31722-711-05 Recommended Storage: Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

17 PATIENT COUNSELING INFORMATION Advise the patient to read the FDA-approved patient labeling (Patient Information)

intermittent use of nitric oxide donors, such as organic nitrates or organic nitrites in any form [see Contraindications (4.1)].

Guanylate Cyclase (GC) Stimulators Physicians should discuss with patients the contraindication of sildenafil tablets with use

of guanylate cyclase stimulators such as riociguat [see Contraindications (4.3)]. Concomitant Use with Drugs Which Lower Blood Pressure

Physicians should advise patients of the potential for sildenafil tablets to augment the blood pressure lowering effect of alpha-blockers and anti-hypertensive medications. Concomitant administration of sildenafil tablets and an alpha-blocker may lead to symptomatic hypotension in some patients. Therefore, when sildenafil tablets are co-administered with alpha-blockers, patients should be stable on alpha-blocker therapy prior to initiating sildenafil tablets treatment and sildenafil tablets should be initiated at the lowest dose [see Warnings and Precautions (5.5)].

Cardiovascular Considerations

Physicians should discuss with patients the potential cardiac risk of sexual activity in patients with preexisting cardiovascular risk factors. Patients who experience symptoms (e.g., angina pectoris, dizziness, nausea) upon initiation of sexual activity should be advised to refrain from further activity and should discuss the episode with their physician [see Warnings and Precautions (5.1)]

Sudden Loss of Vision

Physicians should advise patients to stop use of all PDE5 inhibitors, including sildenafil tablets, Physicians should advise patients to stop use of all PDE5 inhibitors, including sildenalli tablets, and seek medical attention in the event of a sudden loss of vision in one or both eyes. Such an event may be a sign of non-arteritic anterior ischemic optic neuropathy (NAION), a cause of decreased vision including possible permanent loss of vision, that has been reported rarely post-marketing in temporal association with the use of all PDE5 inhibitors. It is not possible to determine whether these events are related directly to the use of PDE5 inhibitors or to other factors. Physicians should discuss with patients the increased risk of NAION in individuals who have already experienced NAION in one eye. Physicians should also discuss with patients the increased risk of NAION among the general population in patients with a "crowded" optic disc, although evidence is insufficient to support screening of prospective users of PDE5 inhibitor, including sildenafil tablets, for this uncommon condition [see Warnings and Precautions (5.3) and Adverse Reactions (6.2)].

Sudden Hearing Loss

Physicians should advise patients to stop taking PDE5 inhibitors, including sildenafil tablets, and rigistratis should advise patients to stup tanily PDE3 imminiors, including shall and advise, and seek prompt medical attention in the event of sudden decrease or loss of hearing. These events, which may be accompanied by tinnitus and dizziness, have been reported in temporal association to the intake of PDE5 inhibitors, including sildenafil tablets. It is not possible to determine whether these events are related directly to the use of PDE5 inhibitors or to other factors [see Warnings and Precautions (5.4) and Adverse Reactions (6.2)]. Priapism

erections greater than 6 hours in duration) have been reported infrequently since market approval

Avoid Use with other PDE5 Inhibitors Physicians should inform patients not to take sildenafil tablets with other PDE5 inhibitors including REVATIO or other pulmonary arterial hypertension (PAH) treatments containing sildenafil. Sildenafil is also marketed as REVATIO for the treatment of PAH. The safety and efficacy of sildenafil tablets

Physicians should warn patients that prolonged erections greater than 4 hours and priapism (painful

with other PDE5 inhibitors, including REVATIO, have not been studied [see Warnings and Precautions

The use of sildenafil tablets offers no protection against sexually transmitted diseases. Counseling

of patients about the protective measures necessary to guard against sexually transmitted diseases, including the Human Immunodeficiency Virus (HIV), may be considered [see Warnings and



Precautions (5.9)1.

Revised: 05/2018

Manufactured for:

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Jeedimetla, Hyderabad - 500 055, India

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Store sildenafil tablets at room temperatur 20° to 25°C (68° to 77°F). ep sildenafil tablets and all medicines ach of children. about the safe and effective

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